

Category	CDP (chrome only in blue)	Web Extension (firefox only in red)	BiDi (webdriver) CDP equivalent	Purpose
Cypress General Use	Network.requestWillBeSent		network.beforeRequestSend	correlate prerequests in order to support cy.intercept(), request timings for protocol, and showing network requests in the Cypress app reporter
	Network.responseReceived		network.responseCompleted	
	Network.requestServedFromCache		CDP specific	
	Network.loadingFailed		network.fetchError	
	Network.setUserAgentOverride		CDP specific	Used to set a custom user agent in electron only
	ServiceWorker.workerRegistrationUpdated		script.realmCreated	used to determine if a prerequest comes from a service worker
	ServiceWorker.workerVersionUpdated		script.realmDestroyed	
	Runtime.enable			
	Runtime.evaluate		script.evaluate	- activate the testing tab in chromium when using the cypress puppeteer plugin - to inject the cypressSocket into the AUT
	Runtime.addBinding		CDP specific (we need an equivalent if we want to support protocol). Can probably write a wrapper around script.evaluate through a websocket but this might give performance problems (ask Ryan Manual)	used to help with service worker registration and download bindings triggered from the client
	Runtime.bindingCalled			
	Runtime.runIfWaitingForDebugger		CDP specific	Used to wait for the page to recover after a crash
	Target.setDiscoverTargets		CDP specific	
	Target.setAutoAttach		CDP specific	
	Target.attachedToTarget		browsingContext.contextCreated	Enables Network and adds service worker runtime bindings, waits for debugger to attach if applicable, as well as sets fetch pausing for AUT determination
	Target.targetDestroyed		browsingContext.contextDestroyed	
	Target.getTargets		browsingContext.locateNodes	
	Target.targetCrashed		CDP specific	
	Page.enable			
	Page.setDownloadBehavior		N/A	
	Page.startScreencast		N/A	
	Page.stopScreencast		N/A	
	Page.navigate		browsingContext.navigate	
	Page.addScriptToEvaluateOnNewDocument	Webdriver.Navigate (via marionette)	script.addPreloadScript	
	Page.frameAttached	uses browser.webRequest.onBeforeSendHeaders to attached the AUT header for the response middleware		used to determine if a frame is the AUT iframe and if so, pauses the request to attach the AUT related headers in the request in order to handle injection property in the response-middleware inside the cypress server
	Page.frameDetached		browsingContext.getTree	
	Page.getFrameTree			
	Fetch.enable			
	Fetch.requestPaused		network.addIntercept	
	Fetch.continueRequest		network.continueResponse	
			network.continueRequest	
	Page.screencastFrame	N/A		video recording for chromium
Cypress Automation API				
get:cookies	Network.getAllCookies	browser.cookies.getAll	storage.getCookies	
get:cookie	Network.getAllCookies	browser.cookies.getAll	storage.getCookies	
set:cookie	Network.setCookie	browser.cookies.set	storage.setCookie	
add:cookies	Network.setCookies	browser.cookies.set	storage.setCookie	
set:cookies	Network.clearBrowserCookies	browser.cookies.set	storage.setCookie	
	Network.setCookies	browser.cookies.set	storage.setCookie	
clear:cookie	Network.deleteCookies	browser.cookies.remove	storage.deleteCookies	
clear:cookies	Network.deleteCookies	browser.cookies.remove	storage.deleteCookies	
take:screenshot	Page.captureScreenshot	browser.tabs.captureVisibleTab	browsingContext.captureScreenshot	
reset:browser.state	Storage.clearDataForOrigin	browser.browsingData.remove		
	Network.clearBrowserCache			
reset:browser.tabs:for:next:sp	Target.createTarget	browser.windows.getCurrent	browsingContext.create	
	Target.closeTarget	browser.windows.getAll	browsingContext.close	
		browser.windows.remove		
		browser.tabs.create		
		browser.tabs.remove		
focus:browser:window	Page.bringToFront	browser.windows.update	browsingContext.activate	
get:heap:size:limit	Runtime.evaluate (performance.memory.jsHeapSizeLimit)			checks memory pressure and does garbage collection if needed for experimentalMemoryManagement. Implemented only in chromium
collect:garbage	HeapProfiler.collectGarbage	N/A	N/A	
create:download	Page.downloadWillBegin	browser.downloads.onCreated		
complete:download	Page.downloadProgress	browser.downloads.onChanged		
canceled:download	Page.downloadProgress	browser.downloads.onChanged		
change:cookie	automatic	browser.cookies.onChanged		























